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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,485	01/23/2004	Win-Chee Yu	TAIW 211	4929

7590 11/03/2006

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EXAMINER

FANTU, YALKEW

ART UNIT	PAPER NUMBER
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2838

DATE MAILED: 11/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/762,485

Applicant(s)

YU ET AL.

Examiner

Yalkew Fantu

Art Unit

2838

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 and 11-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-5 is/are allowed.
- 6) ☒ Claim(s) 6-8 and 11-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 6, 7, 8, 11 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Hulman (US 5,367,242).

With respect to claim 6, an integrated induction charge battery (Fig. 1), comprising: a charge battery (Fig. 1 element 13), an induction module integrated with the charge battery (Fig. 1 and Fig. 2) for transforming magnetic energy transferred from a charge end through electromagnetic induction to charge the battery (Fig. 1 and 2), a rectification module (Fig. 10) connected to the induction module for transforming an AC voltage generated (Fig. 2 elements 7,6', 4, 5, 25, and 16).

With respect to claim 7, the battery of claim 6 further includes a filter (Col. 4 lines 15 and 16) connected to a rectification module (Fig. 1 element 10).

Regarding claim 8 the battery of claim 7, wherein the filter (Col. 4 lines 15 and 16) includes at least one inductor and one capacitor in parallel (Fig. 3 element 31). Applicant claims the filter module that includes at least one inductor and one capacitor in parallel. Reference shows a filter having one capacitor in parallel with one resistor,

and as known to those skilled in the art one would understand the use of resistor in place of inductor for the simple use of a filter as described in this reference.

With respect to claim 11, the battery of claim 6, wherein the rectification module is a bridge rectifier (Fig. 3 element 30).

With respect to claim 12, a battery of a portable information process apparatus (Fig. 1 element 2).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 4,5,10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hulman (US 5,367,242) as applied to claims 1 and 6 above, and further in view of Kuennen et al (US 6,825,620).

With respect to claim 13, Hulman discloses the integrated battery charger apparatus as set forth above in the 35 USC 102 rejection above, however, does not

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discloses expressly a mobile communication apparatus. The Kuennen et al reference, however teaches a mobile communication apparatus.

Regarding claim 13, Kuennen disclose a battery of a mobile communication apparatus (Col. 4 lines 64-68).

Hulman and Kuennen et al are analogous art because they are from the same field of endeavor namely inductive battery charging apparatus.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art, to have added a mobile communication apparatus to the induction battery apparatus of Hulman in view of the teachings of Kuennen et al.

The suggestion and motivation for doing would have been that the use of a battery charging in mobile communication apparatus helps carry from place to place to charge the device without having service discontinuity at the result of over discharge.

Therefore it would have been oblivious to combine Kuennen et al with Hulman for the benefit of forming an integral charging apparatus used for a portable environment to obtain the invention as specified in the claim 13.

#### ***Allowable Subject Matter***

Claims 1-5 are allowed.

#### ***Response to Arguments***

Applicant's arguments filed on 06/28/2006 for claims 1-5 have been considered but are ineffective to overcome the Hulman and Kuennen references regarding claims 6- 8 and 11-13. (See the rejection above).

Regarding claim 6, applicant's argue that "... a value of magnetic field being fixed irrespective of the specific type of the charge battery" is not disclosed by Hulman. But, as Hulman reference indicates on figs. 1 and 2, the value of magnetic field (fig. 1, 4) is fixed despite the fact that the battery has various specs.

Regarding claims 7, 8, 11-3, see rejection above. Claim 9 and 10 are canceled by the applicant.

Final necessitated by amendment.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yalkew Fantu whose telephone number is 571-272-8928. The examiner can normally be reached on (M-F);(8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Karl D. Easthom can be reached on 571-272-1989. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
KARL EASTHOM  
SUPERVISORY PATENT EXAMINER